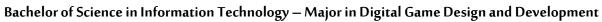
## ${\bf College\ of\ Information\ Technology}$

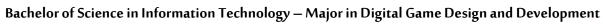




Course No.	Course No. University Requirements (30 Credit Hours)		СН
COMM 103	Language and Communication	None	3
HIST 103	History of Qatar	None	3
LAWC 305	Governance	None	3
SOCI 102	Islamic and World Cultures	None	3
UNIV 101	University Success	None	3
UNIV 201	Leadership, Entrepreneurship, and Innovation	None	3
ENGL 114	English Composition I	None	3
ENGL 115	English Composition II	ENGL 114	3
STDE 201	Sustainable Development None		
Foreign Language	Foreign Language Requirement None		3
Course No.	Major Requirements (33 Credit Hours)	Prerequisite	СН
ITGM 309	Computer Graphics	None	3
ITGM 301	Introduction to Game Design	None	3
ITGM 452	Advanced Computer Graphics	None	3
ITGM 310	Game Design Patterns	None	3
ITGM 401	Educational Games Development	nes Development None	
ITGM 402	Networked Games None		3
ITCL 4 404	3D Design and Modeling	None	3
ITGM 404	3D Design and Wodeling		
ITGM 380	Game Artificial Intelligence	None	3
		None None	3
ITGM 380	Game Artificial Intelligence		

Course No.	OURSE NO. COLLEGE REQUIREMENTS (48 CREDIT HOURS)		СН	
ITCC 102	Discrete Mathematics	None	3	
ITCC 204	Computer Programming	None	3	
ITCC 105	Calculus	None	3	
ITCC 101	Linear Algebra	ITCC 105	3	
ITCC 250	Object Oriented Programming	ITCC 204	3	
ITCC 201	Data Structures	ITCC 250	3	
STAT 201	Probability and Statistics	ITCC 105	3	
ITCC 104	Fundamentals of Information Technology	None	3	
ITCC 103	Algorithms and Problem Solving	ITCC 201	3	
ITCC 106	Ethics and Professional Responsibilities	None	3	
ITCC 306	Database Systems	ITCC 250	3	
ITCC 307	Software Engineering	ITCC 250	3	
ITCS 303	Networks	ITCC 104	3	
ITAI 201	Introduction to Artificial Intelligence	ITCC 204	3	
ITCC 400	Practical Training	ITCC 307, and		
		should pass	3	
		at least 75 CH		
ITCC 403	Graduation Project	ITCC 307, and		
		should pass	3	
		at least 81 CH		
Course No.	Major Elective Courses (9 Credit Hours)	Prerequisite	СН	
ITGM 305	Special Topics in Gaming	None	3	
ITEC 305	IT Project Management and Entrepreneurship	None	3	
ITEC 303	Data Analytics	ITAI 201	3	
ITEC 351	Economics of Games	None	3	
ITEC 352	Social Impact of Games	None	3	
ITEC 355	Games and Privacy	None	3	
ITEC 403	Mobile Application Development	ITCC 250	3	

## College of Information Technology





## Program Plan

		Progra				
	Aca	demic Year	1 (30)			
	Semester 1 - Fall Semester			Semester 2 - Spring Semester		
Course no	Course Title	СН	Course no	Course Title	СН	
ITCC 105	Calculus	3	ITCC 250	Object Oriented Programming	3	
ITCC 204	Computer Programming	3	ITCC 101	Linear Algebra	3	
ITCC 102	Discrete Mathematics	3	ITCC 104	Fundamentals of Information Technology	3	
HIST 103	History of Qatar	3	UNIV 101	University Success	3	
ENGL 114	English Composition I	3	ENGL 115	English Composition II	3	
	Total Credit Hours = 15			Total Credit Hours = 15		
	Aca	demic Year	2 (30)			
Semester 1 - Fall Semester			Semester 2 - Spring Semester			
Course no	Course Title	СН	Course no	Course Title	СН	
ITCC 201	Data Structures	3	ITCC 103	Algorithms and Problem Solving	3	
ITGM 309	Computer Graphics	3	ITCC 306	Database Systems	3	
STAT 201	Probability and Statistics	3	ITAI 201	Introduction to Artificial Intelligence	3	
ITCC 106	Ethics and Professional Responsibilities	3	UNIV 201	Leadership, Entrepreneurship, and Innovation	3	
COMM 103	Language and Communication	3	STDE 201	Sustainable Development	3	
	Total Credit Hours = 15			Total Credit Hours = 15		
	Aca	domic Vos	~ 2 (20)			
Academic Year Semester 1 - Fall Semester			Semester 2 - Spring Semester			
Course no	Course Title	СН	Course no	Course Title	СН	
ITCS 303	Networks	3	ITGM 401	Educational Games Development	3	
ITCC 307	Software Engineering	3	ITGM 402	Networked Games	3	
ITGM 301	Introduction to Game Design	3	ITGM 404	3D Design and Modeling	3	
ITGM 452	Advanced Computer Graphics	3	Major Elec	Major Elective	3	
ITGM 310	Game Design Patterns	3	Foreign Language	Foreign Language Requirement	3	
	Total Credit Hours = 15			Total Credit Hours = 15		
	ITCC 400 Practical			urs =3		
		demic Year	4 (30)			
	Semester 1 - Fall Semester			Semester 2 - Spring Semester		
Course no	Course Title	<b>CH</b> 3	Course no	Course Title  Advanced Concepts in Gaming	<b>CH</b> 3	
	Graduation Project			, ,		
ITGM 380	Game Artificial Intelligence	3	PSYC 220	Cognitive Psychology	3	
ITGM 222	Ethics in Computer Games	3	Major Elec	Major Elective	3	
		_		and the state of t		
Major Elec LAWC 305	Major Elective  Governance	3	SOCI 102	Islamic and World Culture	3	

Total Credit Hours = 12

Total Credit Hours = 15